



April 22, 2016

Ms. Michelle Farley Air Engineer Department of Natural Resources 2984 Shawano Avenue Green Bay, Wisconsin 54313-6727

Mr. Manoj Patel
Environmental Engineer
Air Enforcement and Compliance Assurance Branch (MI/WI)
US Environmental Protection Agency
Air and Radiation Division, Region 5
77 W. Jackson Blvd. AE-17J
Chicago, IL. 60604

RE: 1st Q 2016 Excess Emissions, CMS Performance and Periodic SSM Reports for Sources Regulated by 40 CFR 63 Subpart MM for Expera Specialty-Thilmany Mill

Dear Michelle and Manoj:

The Expera Specialty-Thilmany Mill is subject to the reporting requirements specified by the NESHAP promulgated at 40 CFR 63 Subpart MM. This report meets the requirements for submitting an Excess Emissions, CMS Performance, and Periodic SSM Reports pursuant to 40 CFR.63.10(d)(5); 40 CFR 63.10(e)(3), and 40 CFR 63.867 (c).

This report covers the period January 1 - March 31, 2016 for the Lime Kiln, Smelt Dissolving Tanks and Recovery Boilers.

If you have any questions concerning the information on these reports, please contact me at (920) 766-8235.

Sincerely,

Mark Nessmann

Environmental Manager

makingbigideasfly-



COMPLIANCE REPORT

for meeting reporting requirements in 40 CFR 63.10(d)(5), 63.10(e)(3) and applicable standard

General Information									
Facility Identification									
Name:	Expera Specialty Solutions - Thilmany Mill								
Address:	600 Thilmany Road								
City:	Kaukauna State: Wisconsin Zip: 54130								
End of Reporting Period	3/31/2016								
Relevant standard that is the basis for this report	Chemical Recovery Combustion Sources NESHAP - Subpart MM, §63.860								
Process units covered by this report	- Recovery Furnaces B08, B10 - Smelt Dissolving Tanks SDT 8, SDT 10 - Lime Kiln								
Reports submitted for each process unit	- Emission Data Summary §63.10(e)(3)(vi) - CMS Performance Summary §63.10(e)(3)(vi) - Emission Data Detail for SSM Events and Other Events §63.867(c), §63.10(c), 63.10(d)(5)(i) - CMS Performance Detail for Downtime Events §63.867(c), §63.10(c), 63.10(d)(5)(i)								
Were any changes made to	the SSM plan since the last reporting period? §63.6(e)(3)(viii)								
No [X]	Yes [] If yes, superceded versions are maintained on site in accordance with 40 CFR 63.6(e)(3)(v).								
Were there any changes ir	CMS, processes, or controls since the last reporting period? §63.10(e)(3)(vi)(K)								
No [X]	Yes [] If yes, describe below or a separate page.								
Notes/Comments:									
	belief formed after reasonable inquiry, I certify, to the best of my knowledge, that nation in this submission are true, accurate, and complete.								
Name Mark Nessmann	Title Environmental Manager								
Signature Marti	Jeman Report Date 4/22/16								

Version 08,12,2003,16.05



Continuous Monitoring System Equipment List

Report Run Date

End Of Reporting Period:

3/31/2016

4/21/2016 11:00

Relevant standard that is the basis for this report:

Chemical Recovery Combustion Sources NESHAP - Subpart MM, §63.860

Emission Point	Monitoring Equipment	CMS Manufacturer	CMS Model No.	Date of Latest Certification or Audit*
B08 and B10 - A Stack	COMS	Durag	D-R 290	March 29, 2016
B08 and B10 - B Stack	COMS	Durag	D-R 290	March 29, 2016
SDT8	Differential Pressure	ABB	600T-EN	July 29, 2015
SDT8	Scrubber Water Flow	Krohne	IFC-080/ F / MP	July 29, 2015
SDT10	Differential Pressure	ABB	600T-EN	July 29, 2015
SDT10	Scrubber Water Flow	Yokogawa	AM-11-DEA1A	July 29, 2015
Lime Kiln	Ahistrom Scrubber Flow	Foxboro	8003A-WCR-PJG-FNA-A	July 13, 2015
Lime Kiln	Ahlstrom Scrubber Pressure	Bailey	PTPGP72020E	July 13, 2015
Lime Kiln	Turbotak Air Pressure	Foxboro	821GM-IS1NM2	July 9, 2015
Lime Kiln	Turbotak Water Flow	ABB	10DX3111EDE	July 9, 2015

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1 of 1



SUMMARY REPORT - Gaseous and Opacity Excess Emissions

Thilmany Mill			Lime Kiln				
Reporting Period:	From	1/1/2016	Report Run Date				
	То	4/1/2016	4/21/2016 8:47 AM				
Hazardous Air Pollutants (HAPS) Monitored:	Particulate M	Particulate Matter (PM) emissions as a surrogate for HAP metals (Subpart MM, §63.860).					
Brief description of process unit:			Mud) is calcined in the Lime Kiln producing Calcium Oxide. PM emissions are controlled by the Ahlstrom scrubbing components.				

Emission Data Summary	Emission Point:		LK Ah	lstrom		LK Turbotak			
	Source Operating Time:	***************************************	2,18	32.9		2136.6			
	Operating Parameter:	FI	ow	Pres	ssure	FI	ow	Pressure	
	Averaging Period:	3-hr	· Avg	3-hı	r Avg	3-hı	r Avg	3-h	r Avg
	Parameter Limit:	276.6	3 gpm	267.	5 PSI	44.1	gpm	96.	4 PSI
Monitoring Exceedances In Reporting Period	Nuo To:	Duration	Count	Duration	Count	Duration	Count	Duration	Count
	Jue 10.	Hours	No.	Hours	No.	Hours	No.	Hours	No.
a. Startup/Shutdown	0.0	0	0.0	0	0.0	0	0.0	0	
b. Control Equipment Problems-Malfunction	0.0	0	0.0	0	0.0	0	0.0	0	
c. Process Problems-Malfunction		0.0	0	0.0	0	0.0	0	0.0	0
Total SSM monitoring exceedances		0.0	0	0.0	0	0.0	0	0.0	0
d. Other Known Causes		0.0	0	0.0	0	0.0	0	0.0	0
e. Other Unknown Causes		0.0	0	0.0	0	0.0	0	0.0	0
Total Other monitoring exceedances		0.0	0	0.0	0	0.0	0	0.0	0
[(Total Other monitoring exceedances)/(Total source of	perating time)]X100 (%)	0.00%		0.00%		0.00%		0.00%	
Total monitoring exceedances		0.0	0	0.0	0	0.0	0	0.0	0
[(Total monitoring exceedances)/(Total source operating	0.00%		0.00%		0,00%		0.00%		
Number of 24 hour periods with one or more non-SSM	monitoring exceedances				()			

Footnote 1 for, "Startup/Shutdown, Control Equipment Problems, and Process Problems": Except for actions which may have been previously reported according to 40 CFR 63.10(d)(5)(ii), actions taken in response to SSM events were consistent with the procedures specified in the SSM plan required by 40 CFR 63.6(e)(3). These actions were documented pursuant to 40 CFR 63.6(e)(3)(iii) and reported per 40 CFR 63.10(d)(5)(i).

Footnote 2 for, "Number of 24-hour periods with one or more non-SSM monitoring exceedances": Periods of excess emission are not a violation of 40 CFR 63.862 provided the number of 3-hour parameter exceedances is not 6 or greater during the source operating time within a semi-annual period per 40 CFR 63.864(k)(2)(iii), excluding periods of startup, shutdown and malfunction [40 CFR 63.6(f)(1)]. No more than one exceedance shall be attributed to any 24-hour period per 40 CFR 63.864(k)(3).

Specialty solutions **DETAIL REPORT - Gaseous and Opacity Excess Emissions** Lime Kiln Report Run Date: 4/21/2016 8:47 AM Thilmany Mill To 4/1/2016 From 1/1/2016 Reporting Period: Emission Data Detail for SSM Events and Other Events Duration (Hours) Location End Time Trouble Cause Correction Report Code Start Time

Lime Kiln

LK1 Ahlstrom Flow EE No Events
LK1 Ahlstrom Pressure EE No Events
LK1 Turbotak Flow EE No Events
LK1 Turbotak Pressure EE No Events



Thilmany Mill Lime Kiln

Report Run Date Reporting Period: From 1/1/2016

	То	4/1/2016							4/21/	2016 8:47 AM	
CMS Performance Summary		Emission Point:	LK								
	Source Operating Time:										
	Monit	oring Equipment:	Ahlstro	om Flow	Ahlstrom	Pressure	Turbot	ak Flow	Turbotal	k Pressure	
CMS Downtime In Reporting Period Due To	··		Duration	Count	Duration	Count	Duration	Count	Duration	Count	
	•		Hours	No.	Hours	No.	Hours	No.	Hours	No.	
a. Monitor Equipment Malfunctions	······		0.0	0	0.0	0	0.0	0	0.0	0	
b. Non-Monitor Equipment Malfunctions			0,0	0	0.0	0	0.0	0	0.0	0	
c. Quality Assurance/Quality Control Calibra	tions		0,0	0	0.0	0	0.0	0	0.0	0	
Total malfunctions & QA/QC calibrations			0,0	0	0.0	0	0.0	0	0.0	0	
d. Other Known Causes			0.0	0	0.0	0	0.0	0	0.0	0	
e. Other Unknown Causes			0.0	0	0.0	0	0.0	0	0.0	0	
Total Other causes			0.0	0	0.0	0	0.0	0	0.0	0	
Total CMS downtime			0.0	0	0.0	0	0.0	0	0.0	0	
[(Total CMS downtime)/(Total source operating time)]X100 (%)		0.00%		0.00%		0.00%		0.00%		

Footnote 1 for, "Monitor Equipment Malfunctions, Non-Monitor Equipment Malfunctions, and Quality Assurance/Quality Control Calibrations": Except for actions which may have been previously reported according to 40 CFR 63.10(d)(5)(ii), actions taken in response to SSM events were consistent with the procedures specified in the SSM plan required by 40 CFR 63.6(e)(3). These actions were documented pursuant to 40 CFR 63.6(e)(3)(iii) and reported per 40 CFR 63.10(d)(5)(i).

Specialty solutions

DETAIL REPORT - Continuous Monitoring System Performance

Thilmany Mill Lime Kiln Report Run Date: 4/21/2016 8:47 AM

Reporting Period: From 1/1/2016 To 4/1/2016

CMS Performance Detail for SSM Events and Other Events

Duration

Start Time End Time (Hours) Location Trouble Cause Correction Report Code

Lime Kiln

LK1 Ahlstrom Flow CMS No Events
LK1 Ahlstrom Pressure CMS No Events
LK1 Turbotak Flow CMS No Events
LK1 Turbotak Pressure CMS No Events



SUMMARY REPORT - Gaseous and Opacity Excess Emissions

•				
Thilmany Mill				
Reporting Period:	From	1/1/2016		Report Run Date
	То	4/1/2016		4/21/2016 8:48 AM
Hazardous Air Pollutants (HAPS) Monitored:	Particulate M	atter (PM) emi	ssions as a surrogate for HAP metals (Subpart MM, §63.860).	
Brief description of process unit:	{	•	Furnaces are non-direct contact, low-odor steam generating units firing black liquor parallel by two 3-field precipitators (A&B).	∵ The exhaust gases

Emission Data Summary		RF 8-10B							
	Source Operating Time:	·····	2,173.9			2168.2			
	Operating Parameter:	Opa	acity	Ор	acity	Op	acity	Op	acity
	Averaging Period:	6-mi	n Avg	60-m	in Avg	6-mi	n Avg	60-m	iin Avg
	Parameter Limit:	3.	5%	2	0%	3	5%	2	0%
Monitoring Exceedances In Reporting Perio	nd Due To:	Duration	Count	Duration	Count	Duration	Count	Duration	Count
monitoring exceedances in Reporting 1 circ	54 546 10.	Hours	No.	Hours	No.	Hours	No.	Hours	No.
a. Startup/Shutdown		0.0	0	0.0	0	0.0	0	0.0	0
b. Control Equipment Problems-Malfunction	1	0.0	0	0.0	0	0.0	0	0.0	0
c. Process Problems-Malfunction		0.0	0	0.0	0	0.0	0	0.0	0
Total SSM monitoring exceedances		0.0	0	0,0	0	0.0	0	0.0	0
d. Other Known Causes		0.0	0	0.0	0	0.0	0	0.0	0
e. Other Unknown Causes		0.0	0	0.0	0	0.0	0	0.0	0
Total Other monitoring exceedances		0.0	0	0.0	0	0.0	0	0.0	0
[(Total Other monitoring exceedances)/(Total source	e operating time)]X100 (%)	0.00%		0.00%		0.00%		0.00%	
Total monitoring exceedances		0.0	0	0.0	0	0.0	0	0.0	0
[(Total monitoring exceedances)/(Total source oper	ating time)]X100 (%)	0.00%		0.00%		0.00%		0.00%	

Footnote 1 for, "Startup/Shutdown, Control Equipment Problems, and Process Problems": Except for actions which may have been previously reported according to 40 CFR 63.10(d)(5)(ii), actions taken in response to SSM events were consistent with the procedures specified in the SSM plan required by 40 CFR 63.6(e)(3). These actions were documented pursuant to 40 CFR 63.6(e)(3)(iii) and reported per 40 CFR 63.10(d)(5)(i).

Footnote 2 for, "[(Total Other monitoring exceedances)/(Total source operating time)]X100 (%)": Periods of excess emissions are not a violation of 40 CFR 63.862 provided that opacity does not exceed 35% for 6 percent or more of the source operating time within a quarterly period per 40 CFR 63.864(k)(2)(i), excluding periods of startup, shutdown and malfunction [40 CFR 63.6(h)(1)].

EXPERA specialty solutions **DETAIL REPORT - Gaseous and Opacity Excess Emissions** Thilmany Mill Recovery Furnace 8-10 Report Run Date: 4/21/2016 8:48 AM From 1/1/2016 To 4/1/2016 Reporting Period: **Emission Data Detail for SSM Events and Other Events** Duration Report Code Start Time End Time (Hours) Location Cause Trouble Correction

Recovery Furnace 8-10

 RF8-10A Opacity EE (6-Min)
 No Events

 RF8-10A Opacity EE (60-Min)
 No Events

 RF8-10B Opacity EE (6-Min)
 No Events

 RF8-10B Opacity EE (60-Min)
 No Events



Thilmany Mill Recovery Furnace 8-10

Reporting Period: From 1/1/2016 Report Run Date

To 4/1/2016 8:48 AM

CMS Performance Summary	Emission Point:	Emission Point: RF 8-10A			8-10B			
	Source Operating Time:	2	173.9	2168.2 Opacity				
	Monitoring Equipment:	C	pacity					
CMS Downtime In Reporting Period Due To:		Duration	Count	Duration	Count			
		Hours	No.	Hours	No.			
a. Monitor Equipment Malfunctions		0.0	0	0.0	0			
b. Non-Monitor Equipment Malfunctions		0.0	0	0.0	0			
c. Quality Assurance/Quality Control Calibr	ations	10.6	92	10.6	92			
Total malfunctions & QA/QC calibrations		10.6	92	10.6	92			
d. Other Known Causes		0.0	0	0.0	0			
e. Other Unknown Causes		0.0	0	0.0	0			
Total Other causes		0.0	0	0.0	0			
Total CMS downtime		10.6	92	10.6	92			
[(Total CMS downtime)/(Total source operating time	e)]X100 (%)	0.49%		0.49%				

Footnote 1 for, "Monitor Equipment Malfunctions, Non-Monitor Equipment Malfunctions, and Quality Assurance/Quality Control Calibrations": Except for actions which may have been previously reported according to 40 CFR 63.10(d)(5)(ii), actions taken in response to SSM events were consistent with the procedures specified in the SSM plan required by 40 CFR 63.6(e)(3). These actions were documented pursuant to 40 CFR 63.6(e)(3)(iii) and reported per 40 CFR 63.10(d)(5)(i).



Thilmany Mill Recovery Furnace 8-10 Report Run Date: 4/21/2016 8:48 AM

 Reporting Period:
 From 1/1/2016
 To 4/1/2016

CMS Performance Detail for SSM Events and Other Events

St. 4 77	mad mias	Duration	1	Tunnala	Cause	Correction	Report Code			
Start Time	End Time	(Hours)	Location	Trouble	Cause	Conection	Report Code			
	D	40								
1/2/2016 3:07 AM	Recovery Furnace 8 1/2/2016 3:13 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations			
1/3/2016 3:07 AM	1/3/2016 3:13 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations			
1/4/2016 3:07 AM	1/4/2016 3:13 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations			
1/5/2016 3:07 AM	1/5/2016 3:13 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations			
1/6/2016 3:07 AM	1/6/2016 3:13 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations			
1/7/2016 3:07 AM	1/7/2016 3:13 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations			
1/8/2016 3:07 AM	1/8/2016 3:13 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations			
1/9/2016 3:07 AM	1/9/2016 3:13 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations			
1/10/2016 3:07 AM	1/10/2016 3:13 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations			
1/11/2016 3:07 AM	1/11/2016 3:13 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations			
1/12/2016 3:07 AM	1/12/2016 3:13 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations			
1/13/2016 3:07 AM	1/13/2016 3:13 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations			
1/14/2016 3:07 AM	1/14/2016 3:13 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations			
1/15/2016 3:07 AM	1/15/2016 3:13 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations			
1/16/2016 3:07 AM	1/16/2016 3:13 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations			
1/17/2016 3:07 AM	1/17/2016 3:13 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations			
1/18/2016 3:07 AM	1/18/2016 3:13 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations			
1/19/2016 3:07 AM	1/19/2016 3:13 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations			
1/20/2016 3:07 AM	1/20/2016 3:13 AM	0,1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations			
1/21/2016 3:07 AM	1/21/2016 3:13 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations			
1/22/2016 3:07 AM	1/22/2016 3:13 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations			
1/23/2016 3:07 AM	1/23/2016 3:13 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations			
1/24/2016 3:07 AM	1/24/2016 3:13 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations			
1/25/2016 3:07 AM	1/25/2016 3:13 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations			
1/26/2016 3:07 AM	1/26/2016 3:13 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations			
1/27/2016 3:07 AM	1/27/2016 3:13 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations			
1/28/2016 3:07 AM	1/28/2016 3:13 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations			
1/29/2016 3:07 AM	1/29/2016 3:13 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations			
1/30/2016 3:07 AM	1/30/2016 3:13 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations			
1/31/2016 3:07 AM	1/31/2016 3:13 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations			
2/1/2016 3:07 AM	2/1/2016 3:13 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations			
2/2/2016 3:07 AM	2/2/2016 3:13 AM	0.1	RF8-10A Opacity CMS (6-Min)	Autometic Calibration	Passed	No Action Required	QA/QC Calibrations			
2/3/2016 3:11 AM	2/3/2016 3:17 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations			
2/4/2016 3:11 AM	2/4/2016 3:17 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations			
2/5/2016 3:07 AM	2/5/2016 3:13 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed Passed	No Action Required No Action Required	QA/QC Calibrations QA/QC Calibrations			
2/6/2016 3:11 AM	2/8/2016 3:17 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration Automatic Calibration	Passed	No Action Required	QA/QC Calibrations			
2/7/2016 3:11 AM	2/7/2016 3:17 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations			
2/8/2016 3:11 AM 2/9/2016 3:11 AM	2/8/2016 3:17 AM	0.1 0.1	RF8-10A Opacity CMS (6-Min) RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations			
2/10/2016 3:11 AM	2/9/2016 3:17 AM 2/10/2016 3:17 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations			
2/11/2016 3:11 AM	2/11/2016 3:17 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations			
2/12/2016 3:11 AM	2/12/2016 3:17 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations			
2/13/2016 3:11 AM	2/13/2016 3:17 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations			
2/14/2016 3:11 AM	2/14/2016 3:17 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations			
2/15/2016 3:11 AM	2/15/2016 3:17 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations			
2/16/2016 3:11 AM	2/16/2016 3:17 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations			
2/17/2016 3:11 AM	2/17/2016 3:17 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations			
2/18/2016 3:11 AM	2/18/2016 3:17 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations			
2/19/2016 3:11 AM	2/19/2016 3:17 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations			
2/20/2016 3:11 AM	2/20/2016 3:17 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations			
2/21/2016 3:11 AM	2/21/2016 3:17 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations			
2/22/2016 3:11 AM	2/22/2016 3:17 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations			
2/23/2016 3:11 AM	2/23/2016 3:17 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations			
2/24/2016 3:11 AM	2/24/2016 3:17 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations			
2/25/2016 3:11 AM	2/25/2016 3:17 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations			
		(· · · · · · · · · · · · · · · · · · ·				

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Thilmany Mill Recovery Furnace 8-10 Report Run Date: 4/21/2016 8:48 AM

 Reporting Period:
 From 1/1/2016
 To 4/1/2016

CMS Performance Detail for SSM Events and Other Events

			Duration					
Start	Time	End Time	(Hours)	Location	Trouble	Cause	Correction	Report Code
2/26/2016 3	:11 AM	2/26/2016 3:17 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
2/27/2016 3		2/27/2016 3:17 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
2/28/2016 3	:11 AM	2/28/2016 3:17 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
2/29/2016 3		2/29/2016 3:17 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
3/1/2016 3:1	11 AM	3/1/2016 3:17 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
3/2/2016 3:1		3/2/2016 3:17 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
3/3/2016 3:1	I1 AM	3/3/2016 3:17 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
3/4/2016 3:1		3/4/2016 3:17 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
3/5/2016 3:1	11 AM	3/5/2016 3:17 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
3/6/2016 3:1	11 AM	3/6/2016 3:17 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
3/7/2016 3:1	I AM	3/7/2016 3:17 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
3/8/2016 3:1	11 AM	3/8/2016 3:17 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
3/9/2016 3:1	11 AM	3/9/2016 3:17 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
3/10/2016 3		3/10/2016 3:17 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
3/11/2016 3	:11 AM	3/11/2016 3:17 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
3/12/2016 3	:11 AM	3/12/2016 3:17 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
3/13/2016 4	:11 AM	3/13/2016 4:17 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
3/14/2016 4	:11 AM	3/14/2016 4:17 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
3/15/2016 4	:11 AM	3/15/2016 4:17 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
3/16/2016 4		3/16/2016 4:17 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
3/17/2016 4	:11 AM	3/17/2016 4:17 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
3/18/2016 4		3/18/2016 4:17 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
3/19/2016 4	:11 AM	3/19/2016 4:17 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
3/20/2016 4		3/20/2016 4:17 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
3/21/2016 4		3/21/2016 4:17 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
3/22/2016 4	:11 AM	3/22/2016 4:17 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
3/23/2016 4	:11 AM	3/23/2016 4:17 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
3/24/2016 4		3/24/2016 4:17 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
3/25/2016 4	:11 AM	3/25/2016 4:17 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
3/26/2016 4	:11 AM	3/26/2016 4:17 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
3/27/2016 4	:11 AM	3/27/2016 4:17 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
3/28/2016 4	:11 AM	3/28/2016 4:17 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
3/29/2016 4	:11 AM	3/29/2016 4:17 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
3/29/2016 1	:00 PM	3/29/2016 2:30 PM	1.5	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
3/30/2016 4	:11 AM	3/30/2016 4:17 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
3/31/2016 4	:11 AM	3/31/2016 4:17 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
4/1/2016 4:1	11 AM	4/1/2016 4:17 AM	0.1	RF8-10A Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
1/2/2016 3:0	07 AM	1/2/2016 3:13 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
1/3/2016 3:0	07 AM	1/3/2016 3:13 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
1/4/2016 3:0	07 AM	1/4/2016 3:13 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
1/5/2016 3:0	07 AM	1/5/2016 3:13 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
1/6/2016 3:0	07 AM	1/6/2016 3:13 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
1/7/2016 3:0	07 AM	1/7/2016 3:13 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
1/8/2016 3:0	37 AM	1/8/2016 3:13 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
1/9/2016 3:0	07 AM	1/9/2016 3:13 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
1/10/2016 3	:07 AM	1/10/2016 3:13 AM	0,1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
1/11/2016 3	:07 AM	1/11/2016 3:13 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
1/12/2016 3	:07 AM	1/12/2016 3:13 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
1/13/2016 3	:07 AM	1/13/2016 3:13 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
1/14/2016 3	:07 AM	1/14/2016 3:13 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
1/15/2016 3	:07 AM	1/15/2016 3:13 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
1/16/2016 3	:07 AM	1/16/2016 3:13 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
1/17/2016 3	:07 AM	1/17/2016 3:13 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
1/18/2016 3	:07 AM	1/18/2016 3:13 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
1/19/2016 3	:07 AM	1/19/2016 3:13 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations

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Thilmany Mill Recovery Furnace 8-10 Report Run Date: 4/21/2016 8:48 AM

 Reporting Period:
 From 1/1/2016
 To 4/1/2016

CMS Performance Detail for SSM Events and Other Events

		Duration					
Start Time	End Time	(Hours)	Location	Trouble	Cause	Correction	Report Code
1/20/2016 3:07 AM	1/20/2016 3:13 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
1/21/2016 3:07 AM	1/21/2016 3:13 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
1/22/2016 3:07 AM	1/22/2016 3:13 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
1/23/2016 3:07 AM	1/23/2016 3:13 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
1/24/2016 3:07 AM	1/24/2016 3:13 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
1/25/2016 3:07 AM	1/25/2016 3:13 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
1/26/2016 3:07 AM	1/26/2016 3:13 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
1/27/2016 3:07 AM	1/27/2016 3:13 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
1/28/2016 3:07 AM	1/28/2016 3:13 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
1/29/2016 3:07 AM	1/29/2016 3:13 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
1/30/2016 3:07 AM	1/30/2016 3:13 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
1/31/2016 3:07 AM	1/31/2016 3:13 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
2/1/2016 3:07 AM	2/1/2016 3:13 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
2/2/2016 3:07 AM	2/2/2016 3:13 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
2/3/2016 3:11 AM	2/3/2016 3:17 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
2/4/2016 3:11 AM	2/4/2016 3:17 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
2/5/2016 3:07 AM	2/5/2016 3:13 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
2/6/2016 3:11 AM	2/6/2016 3:17 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
2/7/2016 3:11 AM	2/7/2016 3:17 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
2/8/2016 3:11 AM	2/8/2016 3:17 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
2/9/2016 3:11 AM	2/9/2016 3:17 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
2/10/2016 3:11 AM	2/10/2016 3:17 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
2/11/2016 3:11 AM	2/11/2016 3:17 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
2/12/2016 3:11 AM	2/12/2016 3:17 AM	0.1	RF8-10B Opecity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
2/13/2016 3:11 AM	2/13/2016 3:17 AM	0.1	RF8-10B Opecity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
2/14/2016 3:11 AM	2/14/2016 3:17 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
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2/16/2016 3:11 AM	2/16/2016 3:17 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
2/17/2016 3:11 AM	2/17/2016 3:17 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
2/18/2016 3:11 AM	2/18/2016 3:17 AM	0.1	RF8-108 Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
2/19/2016 3:11 AM	2/19/2016 3:17 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
2/20/2016 3:11 AM	2/20/2016 3:17 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
2/21/2016 3:11 AM	2/21/2016 3:17 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
2/22/2016 3:11 AM	2/22/2016 3:17 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
2/23/2016 3:11 AM	2/23/2016 3:17 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
2/24/2016 3:11 AM	2/24/2016 3:17 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
2/25/2016 3:11 AM	2/25/2016 3:17 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
2/26/2016 3:11 AM	2/26/2016 3:17 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
2/27/2016 3:11 AM	2/27/2016 3:17 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
2/28/2016 3:11 AM	2/28/2016 3:17 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
2/29/2016 3:11 AM	2/29/2016 3:17 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
3/1/2016 3:11 AM	3/1/2016 3:17 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
3/2/2016 3:11 AM	3/2/2016 3:17 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
3/3/2016 3:11 AM	3/3/2016 3:17 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
3/4/2016 3:11 AM	3/4/2016 3:17 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
3/5/2016 3:11 AM	3/5/2016 3:17 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
3/6/2016 3:11 AM	3/6/2016 3:17 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
3/7/2016 3:11 AM	3/7/2016 3:17 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
3/8/2016 3:11 AM	3/8/2016 3:17 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
3/9/2016 3:11 AM	3/9/2016 3:17 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
3/10/2016 3:11 AM	3/10/2016 3:17 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
3/11/2016 3:11 AM	3/11/2016 3:17 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
3/12/2016 3:11 AM	3/12/2016 3:17 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
3/13/2016 4:11 AM	3/13/2016 4:17 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
3/14/2016 4:11 AM	3/14/2016 4:17 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
3/15/2016 4:11 AM	3/15/2016 4:17 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations

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Thilmany Mill Recovery Furnace 8-10 Report Run Date: 4/21/2016 8:48 AM

 Reporting Period:
 From 1/1/2016
 To 4/1/2016

CMS Performance Detail for SSM Events and Other Events

			Duration					
L	Start Time	End Time	(Hours)	Location	Trouble	Cause	Correction	Report Code
	/16/2016 4:11 AM	3/16/2016 4:17 AM	0.1	RF8-108 Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
	/17/2016 4:11 AM	3/17/2016 4:17 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
3	/18/2016 4:11 AM	3/18/2016 4:17 AM	0,1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
	/19/2016 4:11 AM	3/19/2016 4:17 AM	0.1	RF8-108 Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
-	/20/2016 4:11 AM	3/20/2016 4:17 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
	/21/2016 4:11 AM	3/21/2016 4:17 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
	/22/2016 4:11 AM	3/22/2016 4:17 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
	/23/2016 4:11 AM	3/23/2016 4:17 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
	/24/2016 4:11 AM	3/24/2016 4:17 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
	/25/2016 4:11 AM	3/25/2016 4:17 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
	/26/2016 4:11 AM	3/26/2016 4:17 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
	/27/2016 4:11 AM	3/27/2016 4:17 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
-	/28/2016 4:11 AM	3/28/2016 4:17 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
	/29/2016 4:11 AM	3/29/2016 4:17 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
	/29/2016 1:00 PM	3/29/2016 2:30 PM	1,5	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
	/30/2016 4:11 AM	3/30/2016 4:17 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
	/31/2016 4:11 AM	3/31/2016 4:17 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations
4.	/1/2016 4:11 AM	4/1/2016 4:17 AM	0.1	RF8-10B Opacity CMS (6-Min)	Automatic Calibration	Passed	No Action Required	QA/QC Calibrations



SUMMARY REPORT - Gaseous and Opacity Excess Emissions

	######################################	R 875 Sec 25 T No. 25 T N 18 T	secons mile absorba muses millisialis			
Thilmany Mill			Recovery Furnace 8-10 Bypass			
Reporting Period:	From	1/1/2016		Report Run Date		
	То	4/1/2016		4/20/2016 4:33 PN		
Hazardous Air Pollutants (HAPS) Monitored:	Particulate M	atter (PM) emission	ns as a surrogate for HAP metals (Subpart MM, §6	53.860).		
Brief description of process unit:	No. 8 and No. 10 Recovery Furnaces are non-direct contact, low-odor steam generating units firing black liquor. The exhaust combine and are treated in parallel by two 3-field precipitators (A&B). This report documents precipitator bypass emissions.					
Emission Data Summary		Emission Point: RF 8-10 Bypass				
	Source Operating Time:		2168.7 Hours			
	Оре	rating Parameter:	System Bypass			
	•	Averaging Period:	Instantaneous			
	***************************************	Parameter Limit:	Bypass Closed	During Operation		
Monitoring Exceedances In Reporting Period Due To:		Duration	Count			
		~~~~	Hours	No.		
a. Startup/Shutdown			0.0	0		
b. Control Equipment Problems-Malfunction			0.0	0		
c. Process Problems-Malfunction			0.0	0		
Total SSM monitoring exceedances			0.0	0		
d. Other Known Causes			0.0	0		
e. Other Unknown Causes			0.0	0		
Total Other monitoring exceedances			0.0	0		
[(Total Other monitoring exceedances)/(Total sou	urce operating tir	ne)]X100 (%)	0.00%			
Total monitoring exceedances			0.0	0		
[(Total monitoring exceedances)/(Total source op	perating time)]X1	00 (%)	0.00%			
			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			

Footnote 1 for, "Startup/Shutdown, Control Equipment Problems, and Process Problems": Except for actions which may have been previously reported according to 40 CFR 63.10(d)(5)(ii), actions taken in response to SSM events were consistent with the procedures specified in the SSM plan required by 40 CFR 63.6(e)(3). These actions were documented pursuant to 40 CFR 63.6(e)(3)(iii) and reported per 40 CFR 63.10(d)(5)(i).



No Excess Emission Detail Report

Thilmany Mill Recovery Furnace 8-10 Bypass Report Run Date: 4/20/2016 4:33 PM

 Reporting Period:
 From 1/1/2016
 To 4/1/2016

No Excess Emission Events

Duration
Start Time End Time (Minutes) Location Trouble Cause Correction Report Code

Recovery Furnace 8-10 Bypass

RF 8-10 Bypass

No Events



Number of 24 hour periods with one or more non-SSM monitoring exceedances

	SUMMARY REPORT - Go	sseous and Opacity	Excess Emissions			
Thilmany Mill		Smelt Dissolving	Tank 8			
Reporting Period:	From 1/1/2016				Report Run Date	
	To 4/1/2016				4/20/2016 4:34 PM	
Hazardous Air Pollutants (HAPS) Monitored:	' metals (Subpart MM, §63.	860).				
Brief description of process unit: Molten inorganic kraft cooking chemicals (smelt) recovered by the No. 8 Recovery Furnace are dissolved in weak wash to Green Liquor. PM emissions are controlled by a Turbulaire scrubber.						
Emission Data Summary	Emission Point:	SDT8				
	Source Operating Time:	2114.3 Hours				
	Operating Parameter:	dP Fłow			ow	
	Averaging Period:		r Avg	3-hr Avg		
	Parameter Limit:	5.0 '	" H2O	30.0) gpm	
Monitoring Exceedances In Reporting Pe	eriod Due To:	Duration	Count	Duration	Count	
. ,		Hours	No.	Hours	No.	
a. Startup/Shutdown		0.0	0	0.0	0	
b. Control Equipment Problems-Malfunction		0.0	0	0.0	0	
c. Process Problems-Malfunction		0.0	0	0.0	0	
Total SSM monitoring exceedances		0.0	0	0.0	0	
d. Other Known Causes		0.0	0	0.0	0	
e. Other Unknown Causes	0.0	0	0.0	0		
Total Other monitoring exceedances	0.0	0	0.0	0		
[(Total Other monitoring exceedances)/(Total so	urce operating time)]X100 (%)	0.00%		0.00%		
Total monitoring exceedances		0.0	0	0.0	0	
[(Total monitoring exceedances)/(Total source of	perating time)]X100 (%)	0.00%		0.00%		
4	1	i				

Footnote 1 for, "Startup/Shutdown, Control Equipment Problems, and Process Problems": Except for actions which may have been previously reported according to 40 CFR 63.10(d)(5)(ii), actions taken in response to SSM events were consistent with the procedures specified in the SSM plan required by 40 CFR 63.6(e)(3). These actions were documented pursuant to 40 CFR 63.6(e)(3)(iii) and reported per 40 CFR 63.10(d)(5)(i).

Footnote 2 for, "Number of 24-hour periods with one or more non-SSM monitoring exceedances": Periods of excess emission are not a violation of 40 CFR 63.862 provided the number of 3-hour parameter exceedances is not 6 or greater during the source operating time within a semi-annual period per 40 CFR 63.864(k)(2)(iii), excluding periods of startup, shutdown and malfunction [40 CFR 63.6(f)(1)]. No more than one exceedance shall be attributed to any 24-hour period per 40 CFR 63.864(k)(3).

EXPERA specialty solutions

No Excess Emission Detail Report

Thilmany Mill Smelt Dissolving Tank 8 Report Run Date: 4/20/2016 4:34 PM

 Reporting Period:
 From 1/1/2016
 To 4/1/2016

No Excess Emission Events

Duration
Start Time End Time (Hours) Location Trouble Cause Correction Report Code

Smelt Dissolving Tank 8

SDT8 dP EE SDT8 Flow EE No Events No Events



Thilmany Mill

SUMMARY REPORT - Continuous Monitoring System Performance

Smelt Dissolving Tank 8 Reporting Period: From 1/1/2016 Report Run Date

> 4/20/2016 4:34 PM To 4/1/2016

	10 11/2010	42020104.0411					
CMS Performance Summary	Emission Point:						
	Source Operating Time:						
	Monitoring Equipment:	dP		Flow			
CMS Downtime In Reporting Period Due	a To:	Duration	Count	Duration	Count		
		Hours	No.	Hours	No.		
a. Monitor Equipment Malfunctions		0.0	0	0.0	0		
b. Non-Monitor Equipment Malfunctions		0.0	0	0.0	0		
c. Quality Assurance/Quality Control Cal	ibrations	0.0	0	0.0	0		
Total malfunctions & QA/QC calibrations		0.0	0	0.0	0		
d. Other Known Causes		0.0	0	0.0	0		
e. Other Unknown Causes		0.0	0	0.0	0		
Total Other causes		0.0	0	0.0	0		
Total CMS downtime		0.0	0	0.0	0		
[(Total CMS downtime)/(Total source operating	time)]X100 (%)	0.00%		0.00%			

Footnote 1 for, "Monitor Equipment Malfunctions, Non-Monitor Equipment Malfunctions, and Quality Assurance/Quality Control Calibrations": Except for actions which may have been previously reported according to 40 CFR 63.10(d)(5)(ii), actions taken in response to SSM events were consistent with the procedures specified in the SSM plan required by 40 CFR 63.6(e)(3). These actions were documented pursuant to 40 CFR 63.6(e)(3)(iii) and reported per 40 CFR 63.10(d)(5)(i).



Thilmany Mill Smelt Dissolving Tank 8

Report Run Date: 4/20/2016 4:34 PM

Report Code

Reporting Period: From 1/1/2016

To 4/1/2016

CMS Performance Detail for SSM Events and Other Events

Duration
Start Time End Time (Hours) Location Trouble Cause Correction

Smelt Dissolving Tank 8

SDT8 dP CMS SDT8 Flow CMS No Events No Events



SUMMARY REPORT - Gaseous and Opacity Excess Emissions

Thilmany Mill	Smelt Dissolving Tank 10						
Reporting Períod:	From	1/1/2016				Report Run Date	
	То	4/1/2016				4/20/2016 4:33 PM	
Hazardous Air Pollutants (HAPS) Monitored:	Particulate M	atter (PM) emission	s as a surrogate for HAP	metals (Subpart MM, §63.	860).		
Brief description of process unit:	Molten inorganic kraft cooking chemicals (smelt) recovered by the No. 10 Recovery Furnace are dissolved in weak wash to produce Green Liquor. PM emissions are controlled by a Turbulaire scrubber.						
Emission Data Summary		Emission Point:		SD	T10		
	Source	e Operating Time:		2128.7	Hours		
	-	rating Parameter:	₫₽		Flow		
	,	Averaging Period:			3-hr Avg		
		Parameter Limit:	5.0 " H2O		35.0 gpm		
Monitoring Exceedances In Reporting Per	iod Due To:		Duration Hours	Count No.	Duration Hours	Count No.	
a. Startup/Shutdown			0.0	0	0.0	0	
b. Control Equipment Problems-Malfunction		0.0	0	0.0	0		
c. Process Problems-Malfunction		0.0	0	0.0	0		
Total SSM monitoring exceedances		0.0	0	0.0	0		
d. Other Known Causes			0.0	0	0.0	0	
e. Other Unknown Causes			0.0	0	0.0	0	
Total Other monitoring exceedances			0.0	0	0.0	0	
[(Total Other monitoring exceedances)/(Total source operating time)]X100 (%)			0.00%		0.00%		
Total monitoring exceedances		0.0	0	0.0	0		
[(Total monitoring exceedances)/(Total source operating time)]X100 (%)		0.00%		0.00%			
Number of 24 hour periods with one or more non-8	SSM monitoring	exceedances	·)		

Footnote 1 for, "Startup/Shutdown, Control Equipment Problems, and Process Problems": Except for actions which may have been previously reported according to 40 CFR 63.10(d)(5)(ii), actions taken in response to SSM events were consistent with the procedures specified in the SSM plan required by 40 CFR 63.6(e)(3). These actions were documented pursuant to 40 CFR 63.6(e)(3)(iii) and reported per 40 CFR 63.10(d)(5)(i).

Footnote 2 for, "Number of 24-hour periods with one or more non-SSM monitoring exceedances": Periods of excess emission are not a violation of 40 CFR 63.862 provided the number of 3-hour parameter exceedances is not 6 or greater during the source operating time within a semi-annual period per 40 CFR 63.864(k)(2)(iii), excluding periods of startup, shutdown and malfunction [40 CFR 63.6(f)(1)]. No more than one exceedance shall be attributed to any 24-hour period per 40 CFR 63.864(k)(3).



No Excess Emission Detail Report

Thilmany Mill Smelt Dissolving Tank 10 Report Run Date: 4/20/2016 4:33 PM

Reporting Period: From 1/1/2016 To 4/1/2016

No Excess Emission Events

Duration Start Time End Time (Hours) Location Trouble Cause Correction Report Code

Smelt Dissolving Tank 10

SDT10 dP EE SDT10 Flow EE No Events No Events

4/21/2016 8:48 AM



SUMMARY REPORT - Continuous Monitoring System Performance

Thilmany Mill Smelt Dissolving Tank 10

To

Reporting Period: From 1/1/2016 Report Run Date

4/1/2016

Point:	SDT10 2128.7 Hours				
j Time:					
oment:	dP		Flow		
Duration	Count	Duration	Count		
Hours	No.	Hours	No.		
0.0	0	0.0	0		
0.0	0	0.0	0		
0.0	0	0.0	0		
0.0	0	0.0	0		
0.0	0	0.0	0		
0.0	0	0.0	0		
0.0	0	0.0	0		
0.0	0	0.0	0		
0.00%		0.00%			
	Duration Hours	Time: 2128.7	Time:		

Footnote 1 for, "Monitor Equipment Malfunctions, Non-Monitor Equipment Malfunctions, and Quality Assurance/Quality Control Calibrations": Except for actions which may have been previously reported according to 40 CFR 63.10(d)(5)(ii), actions taken in response to SSM events were consistent with the procedures specified in the SSM plan required by 40 CFR 63.6(e)(3). These actions were documented pursuant to 40 CFR 63.6(e)(3)(iii) and reported per 40 CFR 63.10(d)(5)(i).

Specialty solutions

DETAIL REPORT - Continuous Monitoring System Performance

Thilmany Mill Smelt Dissolving Tank 10 Report Run Date: 4/21/2016 8:48 AM

Reporting Period: From 1/1/2016 To 4/1/2016

CMS Performance Detail for SSM Events and Other Events

Duration
Start Time End Time (Hours) Location Trouble Cause Correction Report Code

Smelt Dissolving Tank 10

SDT10 dP CMS SDT10 Flow CMS No Events No Events



SUMMARY REPORT - Gaseous and Opacity Excess Emissions

	SUMMAR	Y REPORT - G	aseous and Opacity	y Excess Emissions		
Thilmany Mill			Smelt Dissolving	Tank Bypass		
Reporting Period:	From	1/1/2016				Report Run Date
	То	4/1/2016				4/20/2016 4:34 PN
Hazardous Air Pollutants (HAPS) Monitored:	Particulate M	atter (PM) emission	s as a surrogate for HAP	metals (Subpart MM, §63	.860).	
Brief description of process unit:	Molten inorga Liquor. PM e	anic kraft cooking ch emissions are contro	nemicals (smelt) recovere olled by a Turbulaire scrul	ed by the Recovery Furnac bber. This report docume	es are dissolved in weak nts scrubber bypass emis	wash to produce Green sions.
Emission Data Summary	Emission Point: Source Operating Time:		SDT10 Bypass 2128.7 Hours		SDT8 Bypass 2114.3 Hours	
	Operating Parameter:		System Bypass		System Bypass	
	Averaging Period:		Instantaneous		Instantaneous	
	WWW.	Parameter Limit:	Bypass Closed	During Operation	Bypass Closed	During Operation
Monitoring Exceedances In Reporting Pe	eriod Due To:		Duration	Count	Duration	Count
			Hours	No.	Hours	No.
a. Startup/Shutdown			0.0	0	0.0	0
b. Control Equipment Problems-Malfunction		0.0	0	0.0	0	
c. Process Problems-Malfunction		0.0	0	0.0	0	
Total SSM monitoring exceedances			0.0	0	0.0	0
d. Other Known Causes			0.0	0	0.0	0
e. Other Unknown Causes			0.0	1	0.0	0
Total Other monitoring exceedances		-	0.0	1	0.0	0
[(Total Other monitoring exceedances)/(Total sou	urce operating tin	ne)]X100 (%)	0.00%		0.00%	
Total monitoring exceedances			0.0	1	0.0	o
[(Total monitoring exceedances)/(Total source op	perating time)]X1	00 (%)	0.00%		0.00%	

Footnote 1 for, "Startup/Shutdown, Control Equipment Problems, and Process Problems": Except for actions which may have been previously reported according to 40 CFR 63.10(d)(5)(ii), actions taken in response to SSM events were consistent with the procedures specified in the SSM plan required by 40 CFR 63.6(e)(3). These actions were documented pursuant to 40 CFR 63.6(e)(3)(iii) and reported per 40 CFR 63.10(d)(5)(i).

Specialty solutions.

No Excess Emission Detail Report

Smelt Dissolving Tank Bypass

Report Run Date: 4/20/2016 4:34 PM

Reporting Period: From 1/1/2016

To 4/1/2016

No Excess Emission Events

Thilmany Mill

Start Time End Time (Minus

Duration (Minutes) Location

Location

Trouble

Cause

Correction

Report Code

Smelt Dissolving Tank Bypass

SDT10 Bypass SDT8 Bypass No Events No Events